THE EFFECTIVENESS OF TOPICAL GARLIC EXTRACT FOR METHICILLIN RESISTANT
Staphylococcus aureus TREATMENT IN BURNS
(1 dososaepuro, n primadina)

Mycobacterium tuberculosis IMMUNOGLOBULIN M (IgM) AND IMMUNOGLOBULIN
G (IgG) SURVEY IN HIV-INFECTED DONORS
(Ocky Dwi Suprobowati)

COMPARING THE EFFECT OF RED YEAST RICE, DATE PALM, AND GUAVA LEAF EXTRACT ON
THROMBOCYTE AND MEGAKARYOCYTE COUNT IN THROMBOCYTOPENIC WHITE RATS
(Sundian indah wiyastuti, Kristanti Wanito Wigati, Tjitra Wardana)

MATERNALLY INHERITED NUCLEOTIDE VARIATION OF MITOCHONDRIAL DNA (mtDNA) D-LOOP
REGION 126 pb (nt: 34-159 HVS II) IN MADURESE INDIVIDUALS
(Ahmad Yudianto, Indah Nuraini M)

RAPID CULTURE METHOD USING BIPHASIC MEDIA ON BACTERIOLOGIC DIAGNOSIS TO DETECT
Mycobacterium tuberculosis FOR DETERMINING PULMONARY TUBERCULOSIS
(Ni Made Mertaniah, Linowati Almardjono, JF Pallinger, Soedarsono)

EFFECT OF CARBIDE AND CaCl2 CONCENTRATION ON VITAMIN C CONTENTS
OF BANANA KEPOK
(Indah Lestari)

DIRECT CLONING OF MELANOMA ANTIGEN 1 (MAGE-1) AND THE E2 GENE OF HOG CHOLERA VIRUS
(HCV) FROM THE BLUNT END PCR PRODUCT USING pET 101/D-TOPO
(Gondo Masututik, Rosmetati Situmung)

QUANTITATION OF MICROORGANISMS IN LOWER RESPIRATORY TRACT SECRETIONS
(Marik R Wahyuningtyas, Kuntaman, Ni Made Mertaniah)

BMD-QUA ASSESSMENT RESULT APPROPRIATES TO DIAGNOSE OSTEOPOROSIS
(Priyambada C. Nugraha, Rachmat G Wachjudi, Bati R Menjo)

ACID-FAST BACTERIA M. lepra EXAMINATION IN LEPROSY PATIENTS
BEFORE AND AFTER TREATMENT
(Suliati)

DIAGNOSTIC ROLE OF INTRA OPERATIVE OVARIAN CYST FLUID CYTOLOGY
IN DETERMINING MALIGNANCY
(Etty Hary Kusumastuti, Alphania Rahniayu)

CORRELATION BETWEEN ADOLESCENTS’ KNOWLEDGE ON DRUGS HAZARD
AND THEIR BEHAVIOR IN DRUG ABUSE IN TULUNGAGUNG
(Indah)

BASAL INSULIN AS ADD-ON THERAPY TO ORAL GLUCOSE-LOWERING DRUGS IN
INSULIN NAIVE PATIENTS WITH TYPE 2 DIABETES MELLITUS IN PRIMARY PUBLIC HEALTH CENTER
(Hermia Novida, Agung Pranoto, Jongky Hendro Prayitno, Askandar Tjoekprawiro)
<table>
<thead>
<tr>
<th>No.</th>
<th>Title</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>RELATIONSHIP BETWEEN N-TERMINAL PRO-BRAIN NATRIURETIC PEPTIDE (NT-proBNP) LEVEL AND PROTEIN ST2 LEVEL IN ACUTE CORONARY SYNDROME PATIENT</td>
<td>202 - 207</td>
</tr>
<tr>
<td>2</td>
<td>THE EFFECT OF LIME PEEL EXTRACT (Citrus Aurantifolia) TO TOTAL BLOOD CHOLESTEROL LEVELS OF MICE (Mus musculus) THAT GIVEN THE HIGH CHOLESTEROL DIET</td>
<td>208 - 215</td>
</tr>
<tr>
<td>3</td>
<td>MONITORING OF POTASSIUM LEVEL ON THE HEART FAILURE PATIENTS USING CAPTOPRIL AND FUROSEMIDE</td>
<td>216 - 219</td>
</tr>
<tr>
<td>4</td>
<td>EFFECT OF RED YEAST RICE (Monascus Purpureus) EXTRACT TO THE TROMBOPOIETIN LEVEL IN DENGUE INFECTED PATIENTS</td>
<td>220 - 225</td>
</tr>
<tr>
<td>5</td>
<td>Amaranthus tricolor Linn PRESERVES THE THICKNESS OF SEMINIFEROUS TUBULES IN MICE (Mus musculus) INDUCED BY LEAD ACETATE</td>
<td>226 - 228</td>
</tr>
<tr>
<td>6</td>
<td>EFFECT OF LOW MOLECULAR WEIGHT TOPICAL HYALURONATE ON WHITE RAT SUPERFICIAL WOUNDS EPITHELIZATION TREATED WITH FREEZE-DRIED AMNION MEMBRANE</td>
<td>229 - 236</td>
</tr>
<tr>
<td>7</td>
<td>PROFILE OF CHEST AND ABDOMEN ULTRASOUND ON PATIENTS WITH DENGUE VIRUS INFECTION IN DR. SOETOMO HOSPITAL SURABAYA BETWEEN FEBRUARY-APRIL 2012</td>
<td>237 - 243</td>
</tr>
<tr>
<td>8</td>
<td>THE PREVALENCE OF EXTENDED SPECTRUM BETA-LACTAMASE (ESBL) IN THIRD GENERATION CEPHALOSPORIN USAGE AMONG SEPSIS PATIENTS IN THE DEPARTMENT OF INTERNAL MEDICINE RSUD DR. SOETOMO SURABAYA</td>
<td>244 - 251</td>
</tr>
<tr>
<td>9</td>
<td>Case Report: MANAGEMENT OF PEPTIC ULCER INFECTION DUE TO Helicobacter pylori INFECTION AND ABSCESS LIVER BOWEL PERFORATION</td>
<td>252 - 258</td>
</tr>
<tr>
<td>10</td>
<td>DIFFERENCE OF PAIN INTENSITY IN TENSION TYPE HEADACHE PATIENTS FOCUSING ON THE PERSONALITY</td>
<td>259 - 262</td>
</tr>
<tr>
<td>11</td>
<td>HEARING DISORDER IN MULTIDRUG-RESISTANT TUBERCULOSIS PATIENTS AT THE OUTPATIENTS UNIT, PULMONARY DEPARTMENT, DR. SOETOMO HOSPITAL SURABAYA</td>
<td>263 - 267</td>
</tr>
<tr>
<td>12</td>
<td>THE DIFFERENCE OF HEART RATE RECOVERY AMONG OBESE SUBJECTS WITH AND WITHOUT METABOLIC SYNDROME</td>
<td>268 - 271</td>
</tr>
<tr>
<td>13</td>
<td>DYSFUNCTION OF COCHLEAR AND RETROCOCHLEAR WITH TINNITUS IN NORMAL HEARING</td>
<td>272 - 276</td>
</tr>
</tbody>
</table>
MONITORING OF POTASSIUM LEVEL ON THE HEART FAILURE PATIENTS USING CAPTOPRIL AND FUROSEMIDE

Abstract

This study was conducted to monitor potassium levels in patients with heart failure NYHA type III-IV with administration of combination therapy of captopril and furosemide in areas of inpatient wards of dr. Soetomo General Hospital. This study is a prospective observational study. The samples were heart failure patients with NYHA type III and IV in Heart Care Unit of Dr. Soetomo General Hospital. Data collection was conducted from October 2011-January 2012. Study inclusion criteria are patients with age more than 50 years and heart failure patients who received captopril and furosemide therapy. Exclusion criteria of this research are cardiogenic shock, hypotension (SBP < 100 mm Hg), metabolic acidosis, patients with Diabetes Mellitus and renal failure patients. The potassium levels results of the study with combination therapy of Captopril and Furosemide was found that 28% (9 patients) had hypokalemia, 3% (1 patient) had hyperkalemia and 69% (22 patients) with normal levels of potassium (potassium levels 3.5-5.0 mmol/L). It was concluded that potassium serum of heart failure patients with NYHA type III-IV who received the combination therapy Captopril and Furosemide remain in normal and recommended use. (FMI 2013;49:216-219)

Keyword : Captopril, and, Furosemide, Combination, Therapy, NYHA, Patient, type, II-IV, Hyperkalemia, Hypokalemia,

Daftar Pustaka :